

What is claimed is:

1. A string lamps device,

comprising:

5 a plurality of illuminant devices, which include illuminant components and a lamp holder or lamp base;

at least one function type illuminant device, which include at least one illuminant component, default control device, and lamp holder or lamp base, and the control device and illuminant component is connected
10 through series or parallel connection into the lamp holder or lamp base;

a power plug connector, which include a power adapter or an end plug;

an insulated wire, in which the lamp holder or lamp base is connected to said illuminant device, function types illuminant device, and power connector through series or series and parallel connection to form a string
15 lamps set;

After power source is conducted, other illuminant devices in the same string may be driven by the function type illuminant device to display the preset radial transition mode and pre-determined decorative effect.

2. The string lamps device as claimed in claim 1, wherein said illuminant
20 device uses LED or tungsten lamps as illuminant components.

3. The string lamps device as claimed in claim 1, wherein said function type illuminant device uses LED or tungsten lamps as illuminant components.

4. The string lamps device as claimed in claim 1, wherein the illuminant component used in said function type illuminant device can be made from
25 a number of LED or tungsten lamps in the same color or in different

colors.

5. The string lamps device as claimed in claim 1, wherein the illuminant component used in said function type illuminant device is LED bulbs made from a number of LED wafers in the same color or in different colors.

6. The string lamps device as claimed in claim 1, wherein the external part of said function type illuminant device has a pre-molded lamp shield.

7. The string lamps device as claimed in claim 6, wherein said lamp shield is coated in varied colors.

8. The string lamps device as claimed in claim 1, wherein said string lamp can be strung as ore-determined model, pattern, or words.

9. The string lamps device as claimed in claim 1, wherein the default control device is composed of a rectification controller and a function controller.

10. The string lamps device as claimed in claim 9, wherein said rectification controller is composed of various electric components, including resistances, capacitances, bridge rectifiers, and zener diodes, provided with the function of voltage stabilization, rectification, and transformation.

11. The string lamps device as claimed in claim 9, wherein said function controller is composed of IC and other electric components, having the function of switching, timing, crescendo, diminuendo, sequencing, or non-sequencing.

12. The string lamps device as claimed in claim 9, wherein said function controller has a simultaneous control electric component that can generate the pre-determined frequency to achieve the simultaneous operation function.

13. The string lamps device as claimed in claim 9, wherein said function controller has pre-determined infrared rays or radio frequency to receive electric elements and pre-determined launching signal for remote control.

14. The string lamps device as claimed in claim 9, wherein said rectification controller and function controller can be set inside the lamp base or lamp holder at the same time, or provided inside the lamp base or lamp holder separately based on the pre-determined condition for interchangeable use.

15. The string lamps device as claimed in claim 9, wherein the spare wire and lamp holder or the wires of illuminant device are connected to each other after the rectification controller and function controller are packaged.

16. The string lamps device as claimed in claim 1, wherein said string lamps set is fixed in the frame or background board with pre-determined model, pattern, or words, and the function type illuminant device is set in specific or important parts.

17. A string lamps device,
comprising:

a plurality of illuminant devices, which include illuminant components and a lamp holder or lamp base;

at least one function type illuminant device, which include at least one illuminant component, default control device, and lamp holder or lamp base, and the control device and illuminant component is connected through series or parallel connection into the lamp holder or lamp base;

a power plug connector, which include a power adapter or an end plug;

an insulated wire, in which the lamp holder or lamp base is connected to said illuminant device, function types illuminant device, and power

connector through series or series and parallel connection to form a string lamp set;

a frame or background board with pre-determined model, pattern, or words, by which the position of the string lamp set is fixed and the function type illuminant device is provided on specific or important parts; After power source is conducted, other illuminant devices in the same string may be driven by the function type illuminant device to display the preset radial transition mode and pre-determined decorative effect.

18. The string lamps device as claimed in claim 17, wherein said illuminant device uses LED or tungsten lamps as illuminant components.

19. The string lamps device as claimed in claim 17, wherein said function type illuminant device uses LED or tungsten lamps as illuminant components.

20. The string lamps device as claimed in claim 17, wherein the illuminant component used in said function type illuminant device can be made from a number of LED or tungsten lamps in the same color or in different colors.

21. The string lamps device as claimed in claim 17, wherein the illuminant component used in said function type illuminant device is LED bulbs made from a number of LED wafers in the same color or in different colors.

22. The string lamps device as claimed in claim 17, wherein the external part of said function type illuminant device has a pre-molded lamp shield.

23. The string lamps device as claimed in claim 22, wherein said lamp shield is coated in varied colors.

24. The string lamps device as claimed in claim 17, wherein said string lamp can be strung as ore-determined model, pattern, or words.

25. The string lamps device as claimed in claim 17, wherein the default control device is composed of a rectification controller and a function controller.

26. The string lamps device as claimed in claim 25, wherein said rectification controller is composed of various electric components, including resistances, capacitances, bridge rectifiers, and zener diodes, provided with the function of voltage stabilization, rectification, and transformation.

27. The string lamps device as claimed in claim 25, wherein said function controller is composed of IC and other electric components, having the function of switching, timing, crescendo, diminuendo, sequencing, or non-sequencing.

28. The string lamps device as claimed in claim 25, wherein said function controller has a simultaneous control electric component that can generate the pre-determined frequency to achieve the simultaneous operation function.

29. The string lamps device as claimed in claim 25, wherein said function controller has pre-determined infrared rays or radio frequency to receive electric elements and pre-determined launching signal for remote control.

30. The string lamps device as claimed in claim 25, wherein said rectification controller and function controller can be set inside the lamp base or lamp holder at the same time, or provided inside the lamp base or lamp holder separately based on the pre-determined condition for interchangeable use.

31. The string lamps device as claimed in claim 25, wherein the spare wire and lamp holder or the wires of illuminant device are connected to each other after the rectification controller and function controller are packaged.